

NUCLEAR STRUCTURE AND DECAY DATA
ACTIVITIES
OF THE
NIST
RADIOACTIVITY GROUP

- ▶ MODEST EFFORT, ALL SUPPORT FROM NIST FUNDS:
1/3 FTE - 75% EXPERIMENTAL AND 25% EVALUATION
(F.J. Schima and M.P. Unterweger)
- ▶ HALF LIFE MEASUREMENTS
 ^{44}Ti , ^{62}Cu completed ^{145}Pm , ^3H , $^{121\text{m}}\text{Sn}$ underway
- ▶ STRUCTURE EVALUATION OF ISOTOPES IN MEDICINE (WITH
THE IAEA)
 ^{89}Sr completed $^{117\text{m}}\text{Sn}$ underway
- ▶ EVALUATION OF GAMMA RAY STANDARDS FOR DETECTOR
CALIBRATION (WITH THE IAEA)
 ^{145}Pm , $^{121\text{m}}\text{Sn}$ underway
- ▶ RADIOPHARMACEUTICAL STUDIES
 ^{103}Pd underway
- ▶ PROVIDE RADIOACTIVITY STANDARDS FOR DETECTOR
CALIBRATION
 ^{99}Tc , $^{166\text{m}}\text{Ho}$ completed